



United States
Department of
Agriculture

Forest
Service

Sawtooth National
Forest

5/003/055
Burley/Twin Falls Ranger
Districts
3650 S. Overland Ave.
Burley, Id. 83318-3242
208-678-0430
208-737-3200

File Code: 2810/2850

Date: November 30, 2000

Mr. Michael J. Pauletto
22310 NE Hillside Drive
Vancouver, WA 98682

Mr. Michael Cates
1705 W. 100 N.
Tremonton, UT 84337

Re: Interstate Rock Trespass - Bond Calculation

Dear Mssrs. Pauletto and Cates:

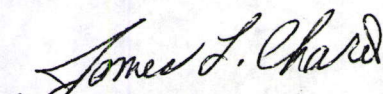
During our meeting with you on September 20, you assumed responsibility for the unauthorized construction of a road between Bown's Dove Creek Quarry and your mining claim in Section 13. You also assumed responsibility for commencing a quarrying operation without approval. Lynn Kunzler with the State of Utah Division of Oil Gas and Mining had visited the site the morning of our meeting and had measured the disturbance areas with a GPS unit. Lynn had used the GPS data to prepare a map for our meeting. The following week he returned to the mine site and added some sections of road and Bown's quarries to the map for reference. Lynn mailed an electronic copy of the map to us to assist in preparation of the reclamation bond. A copy of the map is enclosed.

The total length of road that was constructed during the week of September 4, 2000 was 12,135 feet. 1,785 feet of road has been recontoured as of October 4 so 10,350 feet of road is still in place. The area on the map described as the "Clarks Basin Mine" is just under 3 acres in size (2.92 acres) and has the approximate length of 560 feet and an average width of 300 feet.

As per our discussion on September 20, Jeff Gabardi has calculated a reclamation bond estimate for the unauthorized disturbance area. You will need to submit a reclamation bond in the amount of \$20,245 to the Burley District Office by December 20, 2000 or further legal actions will be taken. Refer to the enclosed bond estimate, sign it, and return it to the Burley District Office with the bond. We have also included a document that describes the types of bonds that we accept - cash, surities, assignments of savings accounts, etc. If you plan to submit the bond using any type of security rather than cash please notify us and we will supply you with the required forms.

If you have any questions or your current plans change please contact Carmela Romerio at (208) 678-0430.

Sincerely,


PETE PETERSON
District Ranger



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CC: Mr. Richard Riordan, 2674 Robidoux Road, Sandy, UT 84093-1139
Mr. Lynn Kunzler, Div. Of Oil, Gas, and Mining, 1594 West North Temple Suite 1210,
Box 145801, SLC, UT 84114-5801

Bond Estimate – Interstate Rock Trespass

Reclamation Objective

Quarry Area

The area on the map described as the “Clarks Basin Mine” is just under 3 acres in size (2.92 acres) and has an approximate length of 560 feet and an average width of 300 feet.

The reclamation objective is to recontour the “Clarks Basin Mine” area (3 acres) by reconstructing the hill to a predisturbance condition as a gently rounded “knoll” then spread any available growing medium over the surface of the disturbed area and revegetate the entire disturbed area.

Selection of Equipment for Quarry Area Reclamation

The selection of equipment was based on mobilization of earthmoving equipment from Burley, Idaho. Burley would be the closest available government contract equipment location. Labor rates are based on Davis-Bacon Northern Utah Zone II.

A Caterpillar D8R dozer (or equivalent) will be used to recontour the “Clarks Basin Mine” area.
Hourly Rate w/ oper. - \$75.52 + \$32.49 = \$108

Estimated volume of material to be moved –

$$2.92 \text{ A} \times 43,560 \text{ SF/A} \times 2 \text{ ft. ave. depth} / 27 \text{ CF/LCY} = \mathbf{9,400 \text{ LCY}}$$

Estimated Production rate based on a 200 ft. push distance from the outside edge to the center of the quarry. Uncorrected production – 400 LCY/hr from CAT Handbook

Estimated Production -

400 LCY/hr (0.80 material) (0.80 grade) (1.2 slot dozing) (0.75 ave. oper.) (0.83 job eff.) (1.0 wt. Corr.) = **190 LCY/hr**

$$9,400 \text{ LCY} / 190 \text{ LCY/hr.} \times \$108/\text{hr} \text{ -----} \rightarrow \quad \$5,34$$

Road

Once the quarry area has been recontoured and initially seeded then the access road would be reclaimed.

12,135 feet of road - The total length of road that was constructed during the week of September 4, 2000.

1,785 feet of road - Recontoured by Interstate Rock operator as of October 4, 2000.

10,350 feet of road - The remaining section of road that has been blocked near Bown's Dove Creek Quarry to discourage access until the notice of noncompliance has been resolved and /or the access is approved. As of October 4, this road has been waterbarred, the culverts have been removed, and the fill has been cleaned out of the cross drainages.

The average disturbance width for the entire length of road is estimated to be 20 feet.

Total acres of disturbance for the road – $12,135 \text{ ft.} \times 20 \text{ ft.} / 43,560 \text{ ft.}^2 = 5.6 \text{ acres.}$

The reclamation objective is to remove the road surfacing material (waste rock), backhaul it to the quarry, then recontour the remaining length of newly constructed road – 10,350 feet. Remove all culverts and fill material from the drainages and re-establish the existing road. Stabilize all disturbed areas and have sufficient bond to ensure revegetation success.

Selection of Equipment for Road Reclamation

The selection of equipment was based on mobilization of earthmoving equipment from Burley, Idaho. Burley would be the closest available government contract equipment location. Labor rates are based on Davis-Bacon Northern Utah Zone II.

A Caterpillar 315 Excavator (or equivalent) will be used to recontour the roads.

Hourly Rate w/ oper. - $\$40.89 + \$32.24 = \$73.13/\text{hr}$

Total length of road to recontour - 10,350 feet of road. Estimated Production rate – 200 ft. / hr.

$10,350 \text{ ft.} / 200 \text{ ft.} / \text{hr.} \times \$73.13/\text{hr} \text{ -----} \rightarrow \$3,785$

Laborer on-site during the road recontouring – assist with placing rip rap, seeding and fertilizing.

$52 \text{ hrs} \times \$18.71/\text{hr} \text{ -----} \rightarrow \970

Mobilization for the excavator from Burley, ID w/ operator – \$ 82.20 ($\$49.90 + \32.30)

Estimated time round trip inc. load and unload - 6 hours/ trip

$2 \text{ trips} \times 6 \text{ hrs./trip} \times \$82.20/\text{hr.} \text{ -----} \rightarrow .\985

Loading and hauling road surfacing material

Estimated time – 4 hrs w/ excavator $\times \$73.13/\text{hr} \text{ -----} \rightarrow \295

A 10 CY dump truck will be used to haul the waste rock used for surfacing material to the quarry.

Estimated time- 10 hrs (inc. mobilization from Burley, Id.)

Hourly Rate for truck w/ oper. $\$30.25 + \$27.09 = \$57.34/\text{hr}$

$10 \text{ hrs} \times \$57.34/\text{hr} \text{ -----} \rightarrow \575

Mobilization of service truck for fuel, maint. Equip., fire equip., etc., inc. driver/laborer-
 $\$30.98 (\$12.27 + \$18.71)$

$6 \text{ hrs} \times \$30.98 \text{ -----} \rightarrow \185

Revegetation *

Disturbance Area - Road - 12,135ft. x 20ft. Dist. Width / 43,560 SF/A = 5.6 Acres
Quarry Area 2.92
8.52 Acres

Labor and materials – est. \$300/acre x 8.52 Acres -----→ \$2,550
* contact the Burley District Office for the recommended seed mix.

Duration of Project

- Quarry Area – 50 hrs (5 – 10hr. days)
- Road Surface removal – 1 day
- Road recontouring - 51.75 hrs (5 – 10hr. days)
- Mobilization of equipment – 2 days
 - Total Operating Time – 13 days

Per diem for equipment operator and laborer – allow ½ day for the first day and ½ day for the last day.

- 2 x 12 days x \$85/day -----→ \$2,040

Forest Service On-site Administration

Estimated time one inspector for 4 – 8hr. days.

1 - GS-11 @ \$220/8 hr. day x 4 days -----→ \$880

Subtotal	\$17,605
Administration (contracting) 15%	<u>\$2,640</u>
Recommended Bond	\$20,245

The bond amount will be reviewed annually and adjusted to compensate for completed reclamation work, changes in the equipment rental rates, wages, materials, increase in scope of operations, etc.

Conditions of Bond ReleasePartial Release

Upon completion of the project, portions of the bond can be released when the earthwork (recontouring, reshaping, ripping, scarification, etc.) has been completed and the areas are stabilized and reseeded. The amount of the bond covering these activities can be released and only the portion covering revegetation will be held.

Bond Release

Total release of the bond can only be approved when all disturbed areas have been recontoured, reshaped, ripped, scarified, etc.; adequate drainage has been installed; and revegetation has been completed to the Forest Standard.

Standard for Minimum Acceptable Revegetation

Revegetation of the disturbed areas will be considered adequate when a minimum of 75 percent ground cover has been maintained for 2 consecutive years over 90 percent of the area reclaimed. Ground cover will be comparable to an adjacent reference area.

References

R-4 Cost Estimating Guide for Road Construction 2000
CAT Performance Handbook ed. 30
Sawtooth National Forest Employee Labor Rates

Prepared by: JEFF GABARDI
Mining Engineer

Reviewed and Approved by: _____
Operator

Approved by: _____
District Ranger

Date: _____

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